Natural Sciences
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## Class Book Pack

with Digital Class Book & Active Learning Kit





What is STEAM? Page 8	• STEAM in action • W	omen in STEAM • The re	oad to learning and scie	ntific success		
1. Human nutrition Page 12 • Watch.	What organs does the digestive system have?	What organs does the circulatory system have?	What organs does the respiratory system have?	What organs does the excretory system have?		
2. Human interaction and reproduction Page 30 watch.	How does the nervous system work?	How does the skeletal system work?	How does the muscular system work?	What organs do the female and male reproductive systems have?		
Page 48 Project. Learning situation 1 Let's prevent violance against women						
3. Being healthy Page 50 Watch.	Why do we need to eat healthy?	What are healthy habits?	How can we keep our bodies healthy?	Why is first aid useful?		
4. Design and technology Page 68 Watch.	What are digital devices?  • Watch.	How can we search for and analyse information on the Internet?  • Watch.	How can we use the Internet safely and follow digital etiquette?	How can you show what you have learned about the Internet?		
Page 78 <b>Project. Lear</b>	ning situation 2 Digital	presentations				
5. Energy Page 80 • Watch.	What is energy?	How do we use different forms of energy?	Where do non- renewable sources come from?	What are the negative effects of fossil fuels?		
6. Electricity Page 100 Watch.	What are electrically charged objects?	What is electrical energy?  • Watch.	What do we need to make an electrical circuit?  Watch.	What are robots?		
Page 118 <b>Project. Lea</b>	rning situation 3 Eco-f	riendly homes				
Page 120	Language activities					

<sup>•</sup> Language learning lab in every unit

<sup>•</sup> WebQuest in every unit

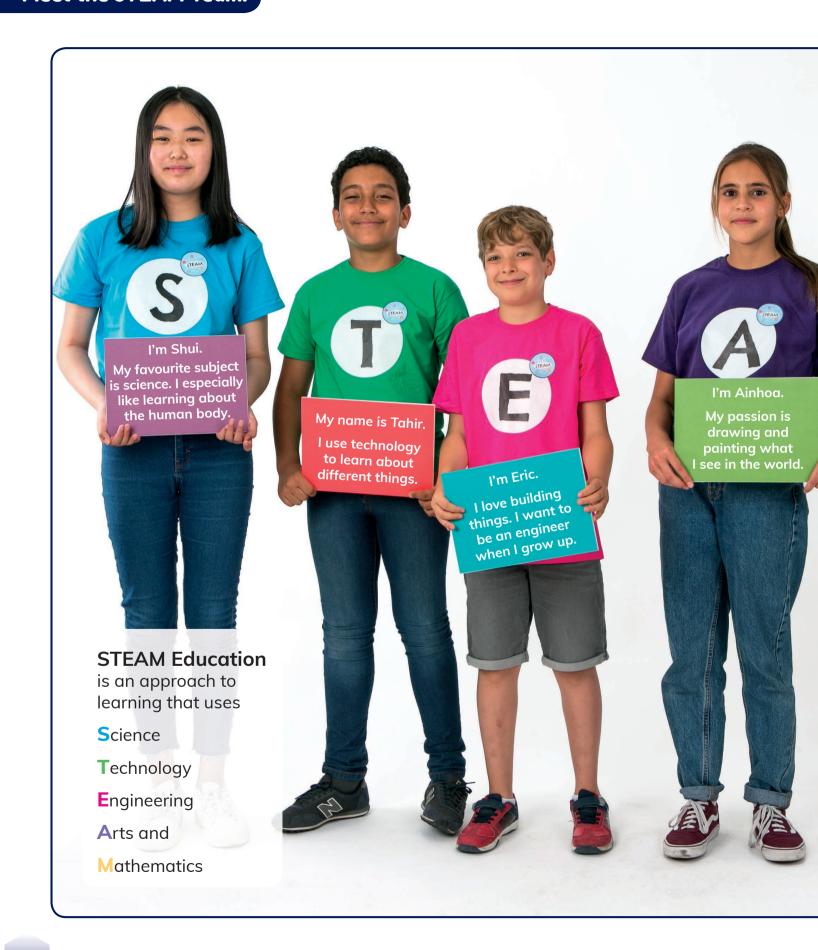
watch. unit videos, content videos and experiment videos



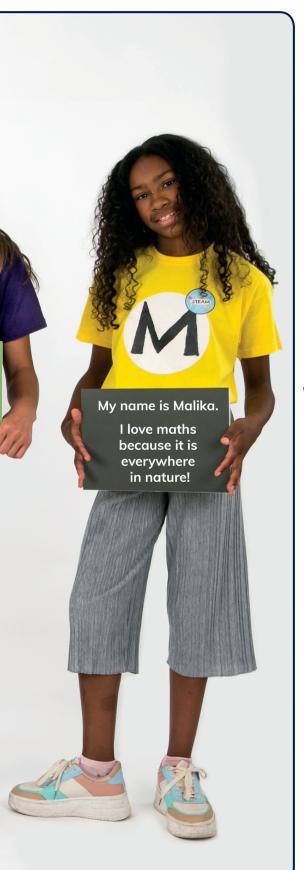
	Why does the stomach have gastric juices?  Watch.	Story A fascinating trip	Culture Christiaan Barnard STEAM Challenge My model lung	Review & Reflect What have you learned about human nutrition?
What are the stages of growing up?	How fast are your nervous and locomotor systems?  Watch.	Story Another fascinating trip!	Culture STEAM Challenge My cardboard robotic hand	Review & Reflect What have you learned about human interactio and reproduction?
	How much fat is in your food?  Watch.	Story Delicious!	Culture STEAM Challenge Build a first aid kit	Review & Reflect What have you learned about being healthy?
What are the	Science lab	Story Rack to the future	Culture Donna Strickland	Review & Reflect
What are the advantages of enewable energy?  Watch.	Science lab  How does acid rain affect plants?  • Watch.	Story Back to the future	Culture Donna Strickland STEAM Challenge Saving energy leaflet	Review & Reflect What have you learned about energy?

## Key competences

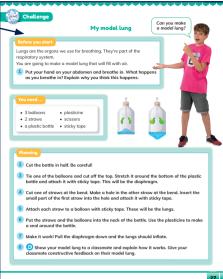
5 Linguistic communication 
☐ Science, Technology, Engineering and Mathematical (STEM) 
☐ Digital
☐ Personal, social and learning to learn 
☐ Entrepreneurship 
☐ Citizenship 
☐ Cultural awareness and expression





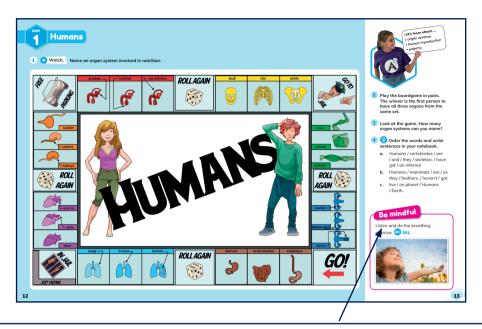


Do STEAM challenges.

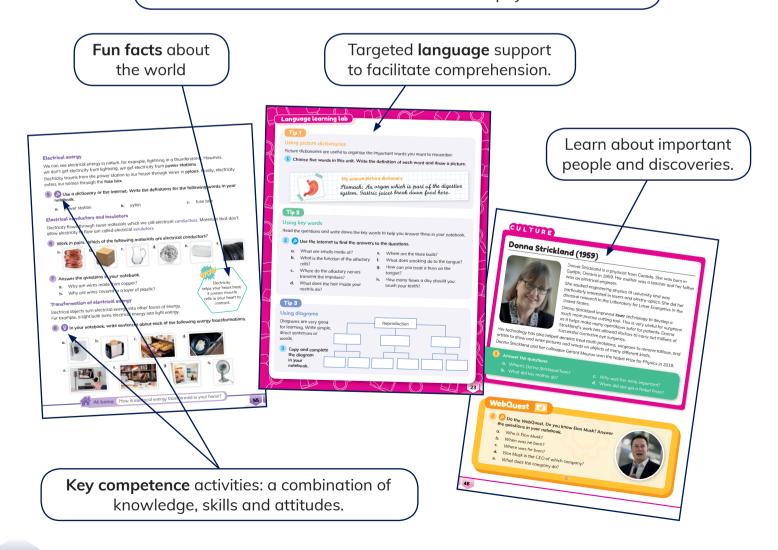




## Inspiring today's students for tomorrow's world

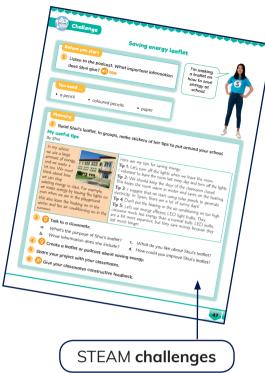


**Wellbeing** activities provide opportunities to refocus and centre students' attention with both mental and physical tasks.









Learning situations to solve real life challenges.



Learn about the 17 sustainable development goals.

Digital resources to advance learning WebQuest 🔟

Watch.

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Further digital practice through the ...

